

# HIGH FREQUENCY MAGNETICS

## T1/E1 Single Through Hole Transformers

TM00154

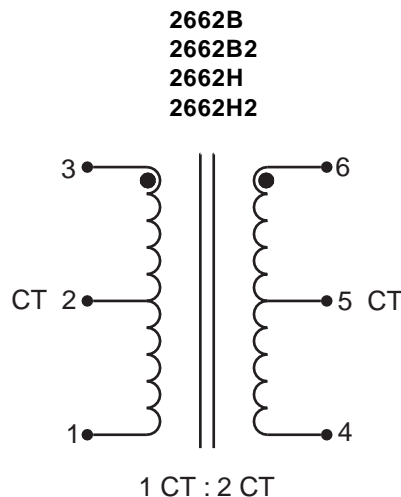
- Operate as line-interface pulse transformers in DS1 and CEPT applications
- 2662B and 2662B2 contain specific interwinding insulation to minimize capacitance
- Winding (3-2) (2-1) is highly balanced; Inductance unbalance is 0.1%, max
- Only difference between the 2662B and 2662B2 is the terminal length; only difference between the 2662H and 2662H2 is the terminal length
- Operating Temperature Range: -40° to +85° C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: Standard Printed Wiring Board assembly techniques, total-immersion cleaning
- Reliability testing: Shock, vibration, temperature cycling, temperature - humidity - bias
- Recommended transformer for new through-hole applications is 2745AF2

### ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Turns Ratio ±2%	Inductance mH min <sup>1</sup>	DCR Ω max		Leakage Inductance μH max <sup>2</sup>	Direct Capacitance pF	ET constant V-μs min	Minimum Interwinding Breakdown Voltage Vrms
	(3-1) : (6-4)		(3-1)	(3-1)				
2662B	1CT : 2 CT	3.5	4.0	20.2	7.0	40 max	48	1000
2662B2	1CT : 2 CT	3.5	4.0	20.2	7.0	40 max	48	1000
2662H	1 CT : 2 CT	3.5	4.8	10.2	7.0	90 typ	48	1500
2662H2	1 CT : 2 CT	3.5	4.8	10.2	7.0	90 typ	48	1500

1. measured at 10 kHz, 0.1 Vac  
2. measured at 100 kHz, 0.1 Vac

### SCHEMATIC

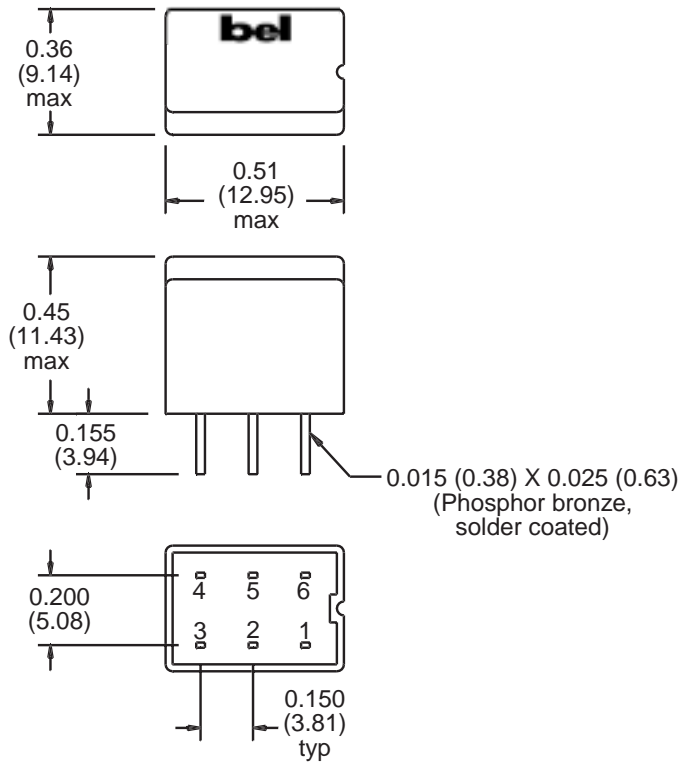


©2001 Bel Fuse Inc. Specifications subject to change without notice. 10.01

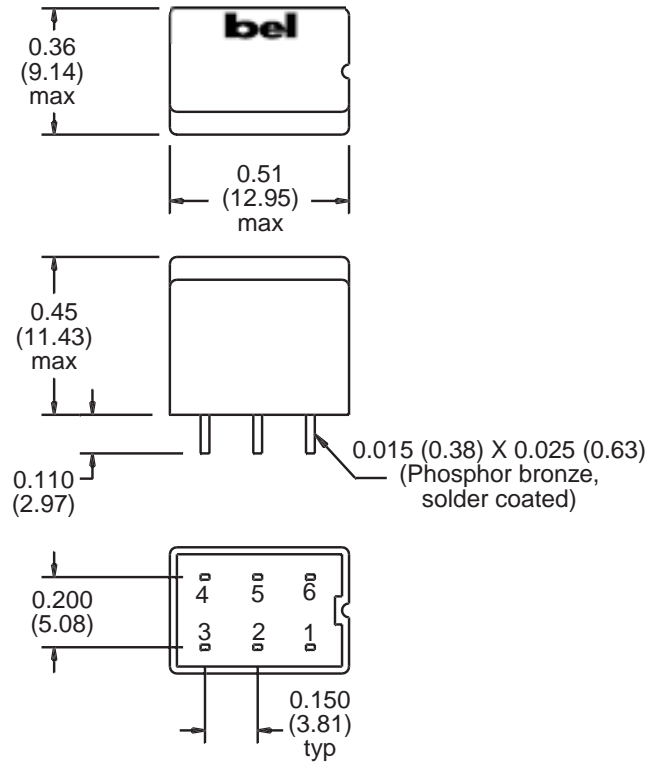
TM00154

#### MECHANICAL

**2662B  
2662H**



**2662B2  
2662H2**



Unless otherwise specified, dimensions are nominal and in inches (millimeters).

©2001 Bel Fuse Inc. Specifications subject to change without notice. 10.01

#### CORPORATE

**Bel Fuse Inc.**  
206 Van Vorst Street  
Jersey City, NJ 07302  
Tel 201-432-0463  
Fax 201-432-9542  
www.belfuse.com

#### FAR EAST

**Bel Fuse Ltd.**  
8F / 8 Luk Hop Street  
San Po Kong  
Kowloon, Hong Kong  
Tel 852-2328-5515  
Fax 852-2352-3706  
www.belfuse.com

#### EUROPE

**Bel Fuse Europe Ltd.**  
Preston Technology Management Centre  
Marsh Lane, Suite G7, Preston  
Lancashire, PR1 8UD, U.K.  
Tel 44-1772-556601  
Fax 44-1772-888366  
www.belfuse.com